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OM nucleic - nucleic search, using sw model

Run on: June 6, 2001, 18:45:14 ; Search time 87.67 seconds  
(without alignments)  
4528.875 Million cell updates/sec

Title: US-09-494-297-1  
Perfect score: 2274  
Sequence: 1 atgaaaaaacaagtttc.....ggataagaacaatgactag 2274

Scoring table:  
IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 302621 seqs, 87301344 residues

Total number of hits satisfying chosen parameters: 605242

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA: \*  
1: /cgnl\_7/ptodata/1/ina/5B.COMB.seq:\*  
2: /cgnl\_7/ptodata/1/ina/5B.COMB.seq:\*  
3: /cgnl\_7/ptodata/1/ina/6A.COMB.seq:\*  
4: /cgnl\_7/ptodata/1/ina/6B.COMB.seq:\*  
5: /cgnl\_7/ptodata/1/ina/PCUS.COMB.seq:\*  
6: /cgnl\_7/ptodata/1/ina/Backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	53.4	2.3	7218	1	US-08-232-463-14
2	49.6	2.2	3095	6	5231168-1
3	48.2	2.1	876	4	US-08-446-137B-3
4	48.2	2.1	3279	4	US-08-446-137B-1
5	46.4	2.0	5361	4	US-08-973-462-2
6	46.4	2.0	6152	4	US-08-973-462-1
7	44.8	2.0	3308	3	US-08-714-918-68
8	44.8	2.0	3308	4	US-09-265-315-68
9	44.8	2.0	3308	4	US-08-265-315-68
10	44.6	2.0	19124	2	US-08-487-826B-13
11	42.4	1.9	429	1	US-07-710-361-6
12	42.4	1.9	1055	1	US-08-702-344-18
13	42.4	1.9	1405	1	US-07-710-361-3
14	42.4	1.9	2210	1	US-07-710-361-2
15	41.8	1.8	4507	2	US-08-568-459A-3
16	41.8	1.8	4507	2	US-08-487-826B-3
17	41.6	1.8	2223	1	US-08-257-073-4
18	41.4	1.8	2814	1	US-07-781-034-1
19	41.4	1.8	2814	5	PCR-US92-08328-1
20	41.1	1.8	921	2	US-08-795-475-2
21	41.1	1.8	1089	2	US-09-076-193-2
22	41.1	1.8	1089	2	US-09-076-193-4
23	41.1	1.8	1308	2	US-08-795-475-4
24	40.8	1.8	2849	2	US-08-484-575A-5
25	40.8	1.8	2849	3	US-08-477-459-5
26	40.8	1.8	2849	4	US-08-479-869-5
27	40.8	1.8	2849	4	US-08-486-414-5

#### ALIGNMENTS

28	40.8	1.8	2849	5	PCT-US94-01826A-5	Sequence 5, Appl
29	40.8	1.8	2849	5	PCR-US94-02252A-5	Sequence 5, Appl
30	40.8	1.8	5181	1	US-08-257-073-10	Sequence 10, Appl
31	40.4	1.8	6152	4	US-08-973-462-1	Sequence 1, Appl
32	40.2	1.8	9636	2	US-08-323-170B-1	Sequence 1, Appl
33	40.2	1.8	8920	2	US-08-446-855A-1	Sequence 1, Appl
34	40.0	1.8	8920	4	US-09-150-741-1	Sequence 1, Appl
35	39.8	1.8	4673	1	US-07-638-431-1	Sequence 1, Appl
36	39.8	1.8	4673	5	PCR-US92-00018-1	Sequence 1, Appl
37	39.2	1.7	10592	1	US-08-680-726A-51	Sequence 51, Appl
38	39.2	1.7	10592	1	US-08-680-726A-52	Sequence 51, Appl
39	39.2	1.7	10592	4	US-09-092-409-51	Sequence 51, Appl
40	39.2	1.7	10592	4	US-09-092-409-52	Sequence 52, Appl
41	39.2	1.7	19124	2	US-08-487-826B-13	Sequence 13, Appl
42	39.2	1.7	7101	1	US-08-480-604A-9	Sequence 9, Appl
43	38.8	1.7	7101	2	US-08-405-496A-9	Sequence 9, Appl
44	38.8	1.7	2388	4	US-08-868-699A-1	Sequence 1, Appl
45	38.6	1.7	1519	1	US-07-971-759-19	Sequence 19, Appl

RESULT 1  
US-08-232-463-14/C  
Sequence 14, Application US/08232463  
Patent No. 5670367  
GENERAL INFORMATION:  
APPLICANT: DORNER, F.  
APPLICANT: SCHEIFLINGER, F.  
APPLICANT: FALKNER, F. G.  
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
NUMBER OF SEQUENCES: 52  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Foley & Lardner  
STREET: 1800 Diagonal Road, Suite 500  
CITY: Alexandria  
STATE: VA  
COUNTRY: USA  
ZIP: 22313-0299  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/232,463  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07/935,313  
FILING DATE:  
APPLICATION NUMBER: EP 91 114 300.6  
FILING DATE: 26-AUG-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: BENT, Stephen A.  
REGISTRATION NUMBER: 29,768  
REFERENCE/DOCKET NUMBER: 304772/114 IMMU  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703)836-9300.  
TELEFAX: (703)683-4109  
TELEX: 899149  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7218 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
CLONE: pTZgpt-F1s  
US-08-232-463-14

Query Match	Similarity	2.3%	Score 53.4	DB 1	Length 7216
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QY 1780	gaagataaanaagaagtataccctgtaactcataataattacaattgagaanaacggtgact	1839			
Db 1463	GTAGTTAAAGATGAGAAATTTGGTACRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	1404			
QY 1840	ggttagctgtgtgaacgaactcaaaagattccattgtgaattgaaatataataatga	1899			
Db 1403	RR	1344			
QY 1900	caagaatgcttcccaactglttaaaaacagataaacacaacctcgaattlaaagatglt	1959			
Db 1343	RR	1284			
QY 1960	aaagcaaccattaatatttaaacatgvggaaggttacaacctcaaggttaccagaagt	2019			
Db 1283	RR	1224			
QY 2020	tattcttaacctgttcaagaacagatcttgaaggtacataaggtlaaagttataagcca	2079			
Db 1223	RR	1164			
QY 2080	gaagttagcaaatgctacaggttccaaaacaggaaataacaagtgtgagacacttgctt	2139			
Db 1163	RR	1104			
QY 2140	gaaataataaagaccgtgtgttctctcaagagctgtacaaagatcatatgctatca	2199			
Db 1103	RR	1044			
QY 2200	gcttctgatagttatctcgtcgtgtacacgttggag	2232			
Db 1043	GCCAAgCTCGAATTAATTCGTGAGCGGATAG	1011			

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RESULT 2
5231168-1
: Patent No. 5231168
: APPLICANT: DIEZIEL, MORTEN; BORRE, MARTIN; JEPSEN, SØREN;
: VUUST, JENS; RIENECK, KLAUS; WIND, ANNETTE; JAKOBSEN, PALLE H.
: TITLE OF INVENTION: MALARIA ANTIGEN
: NUMBER OF SEQUENCES: 19
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/409,658
: FILING DATE: 18-SEP-1989
: SEQ ID NO.: 1
: LENGTH: 3095
5231168-1

Query Match 2.2% Score 49.6; DB 6; Length 3095;
Best Local Similarity 42.9%; Pred. No. 0.0074;
Matches 320; Conservative 0; Mismatches 411; Indels 12; Gaps 1

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Db 1057 gaatttggaaggaattttccctcgacccaatacaataaagcaattccaagaaattatgaa 1116

OY 1513 acacaattgcgtgcgcctactcaagttagcaatataatttcaactgatagtgctgaatga 1572
Db 1117 gatgtaaaagtcgacacatttcagcatgaaatagctagaagtagaagaatactactccaga 1176

OY 1573 gataaggaataactaaaagactataatcattggtttctggagacatgcatgatagtacttta 1632
Db 1177 gatgataaaaatgaaaaaagttgaacatgaaatagctagaagttgtaagaagaattctaccaga 1236

OY 1633 gttgctaataatccttgtagtaagctcgaagtagtaattccctccacagtgtaactgacct 1692
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Db	1297	gataaaatgaaaaagttgtaactgtgaatcagtcagaagttggaagaattctaccagaagat	1356
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Oy	1813	aatttaacattggaaaaaaagcgtgactggttttagcgtgacagaagactaaagatttccat	1872
Db	1417	aatgaaaaagltgtaactgtgaatcagtagaagttggaagaattctaccagaagataaataat	1476
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Oy	1933	aaaaaaacctcgaaatttaagaatgtgttaagccaacacatlaatttaaacatgtggaaagt	1992
Db	1537	aaagttcaacatgaaatagtagaagttggaagaattctaccagaagataaanaatgaaaaa	1596
Oy	1993	tttaaccttcaaggtttaccagaagtttaattcttaactgtcaaaagaagaagattctgaa	2052
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Oy	2053	ggctca-----taaggttaagtttaatagccaagaagtgcacatgtcagtt	2100
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Oy	2101	tcaaaaacaggaataacaagtgtatgtgacactgttttgaanaataataaagaagccgtt	2160
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Db	1777	catgaaatagtagaggtgttgaagaat	1802

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1  RESULT 3
2  US-08-446-137B-3
3  ; Sequence 3, Application US/08446137B
4  ; Patent No. 6162903
5  ; GENERAL INFORMATION:
6  ; APPLICANT: Townen, Angus R.
7  ; APPLICANT: Atkinson, Anthony
8  ; APPLICANT: Murphy, Jonathan P.
9  ; APPLICANT: Laurence, Oliver S.
10 ; APPLICANT: Dugleby, Clive J.
11 ; TITLE OF INVENTION: IMMUNOGLOBULIN BINDING PROTEINS DERIVED
12 ; TITLE OF INVENTION: FROM L PROTEIN AND THEIR USES
13 ; NUMBER OF SEQUENCES: 12
14 ; CORRESPONDENCE ADDRESS:
15 ; ADDRESSEE: SEED and BERRY LLP
16 ; STREET: 6300 Columbia Center, 701 Fifth Avenue
17 ; CITY: Seattle
18 ; STATE: Washington
19 ; COUNTRY: USA
20 ; ZIP: 98104
21 ; COMPUTER READABLE FORM:
22 ; MEDIUM TYPE: Floppy disk
23 ; COMPUTER: IBM PC compatible
24 ; OPERATING SYSTEM: PC-DOS/MS-DOS
25 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
26 ; CURRENT APPLICATION DATA:
27 ; APPLICATION NUMBER: US/08/446,137B
28 ; FILING DATE: 22-May-1995
29 ; CLASSIFICATION: 514
30 ; ATTORNEY/AGENT INFORMATION:
31 ; NAME: Mcmasters, David D.
32 ; REGISTRATION NUMBER: 33,963
33 ; REFERENCE/DOCKET NUMBER: 100084,406
34 ; TELECOMMUNICATION INFORMATION:
35 ; TELEPHONE: (206) 682-4900
36 ; TELEFAX: (206) 682-6031
37 ; INFORMATION FOR SEQ ID NO: 3:

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SEQUENCE CHARACTERISTICS:
LENGTH: 876 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Peptostreptococcus
STRAIN: 1018
FEATURE:
NAME/KEY: CDS
LOCATION: 1..876
US-08-446-137B-3

Query Match          2.1%; Score 48.2; DB 4; Length 876;
Best Local Similarity 46.7%; Pred. No. 0.011;
Matches 189; Conservative 0; Mismatches 213; Indels 3; Gaps 1;

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QY 1121 atggaacacagattgaaatcccaataaagagatagtagagccttcaagtagaagcat 1180
DB 422 CTGGAAGAAAGAACCCAGAACACAGAGAACCAAGAGAGATTCAATCAAGTTA 481
QY 1181 ataagatttgaagaatttagcgctttaaactacacaaactatgcaaaatttattatg 1240
DB 482 ACTTAATCTTTGAGATGGAAGAGATACAAACAGCAGATTTCAAGAGACATTTGAAGAG 541
QY 1241 caaaaaataaaatggaagttcacaggttgctatgtcttaatgagatctaaatctc 1300
DB 542 CAACA---GCAAAAGCTTATGCTTATGCAAACTTATTAGCAAAAGAAATGGCGAATATA 598
QY 1301 caccagactctgaagatgtgtggaacaaatgacccagacttacaacagsgaagtaa 1360
DB 599 CAGCAGACTTAGAAGATGTGTGAACCAATCAATTAATTTGCTGCAAAAGAAACAC 658
QY 1361 aataactatattgtagtgcgacctctttaaataactgtgaaaccaagagataccg 1420
DB 659 CAGAAACACCCAGAGAACCAAAAGAAAGACTTCAATCAAGTTACTTAACTTTGACAG 718
QY 1421 atcctgacacttcttaaaacatacaaaaagtaattggaag 1465
DB 719 ATGGAAGAAACCAACACGACGATTCAGAGACATTGTGAAGAG 763

RESULT 4
US-08-446-137B-1
Sequence 1, Application US/08446137B
Patent No. 6162903
GENERAL INFORMATION:
APPLICANT: Trowern, Angus R.
APPLICANT: Atkinson, Anthony
APPLICANT: Murphy, Jonathan P.
APPLICANT: Laurence, Oliver S.
APPLICANT: Duggledy, Clive J.
TITLE OF INVENTION: IMMUNOGLOBULIN BINDING PROTEINS DERIVED
TITLE OF INVENTION: FROM L PROTEIN AND THEIR USES
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/446,137B
FILING DATE: 22-MAY-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: McMASTERS, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 100084,406
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3279 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Peptostreptococcus asaccharolyticus
STRAIN: 1018
FEATURE:
NAME/KEY: exon
LOCATION: 103..3186
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /codon_start=280
OTHER INFORMATION: /product="mature protein L"
OTHER INFORMATION: /evidence=EXPERIMENTAL
FEATURE:
NAME/KEY: CDS
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OTHER INFORMATION: /product="immature protein L"
FEATURE:
NAME/KEY: mat.peptide
LOCATION: 280..3183
OTHER INFORMATION: /codon_start=280
OTHER INFORMATION: /product="mature protein L"
FEATURE:
NAME/KEY: misc.signal
LOCATION: 208..279
US-08-446-137B-1

Query Match          2.1%; Score 48.2; DB 4; Length 3279;
Best Local Similarity 46.7%; Pred. No. 0.016;
Matches 189; Conservative 0; Mismatches 213; Indels 3; Gaps 1;

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DB 1310 AATATGCGAATATACAGCAGACTTAGAAGATGTGGAACACATCAATTAATTTG 1369
QY 1121 atggaacacagattgaaatcccaataaagagatagtagagccttcaagtagaagcat 1180
DB 1370 CTGGAAGAAAGAACCCAGAACACAGAGAACCAAGAGAGATTCAATCAAGTTA 1429
QY 1181 ataagatttgaagaatttagcgctttaaactacacaaactatgcaaaatttattatg 1240
DB 1430 ACTTAATCTTTGAGATGGAAGAGATACAAACAGCAGATTTCAAGAGACATTTGAAGAG 1489
QY 1241 caaaaaataaaatggaagttcacaggttgctatgtcttaatgagatctaaatctc 1300
DB 1490 CAACA---GCAAAAGCTTATGCTTATGCAAACTTATTAGCAAAAGAAATGGCGAATATA 1546
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OY	1175	aagataataatgatttggaagaatttaggttttaatactacacaaaacatgacaattt	1235
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OY	1235	attaatgcaaaaataaaatggaagttccaggtgtgtcattgtcttaattgacatctaa	1294
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OY	1295	aattccaccaagactctgaaagatggtggtgaaaaacaatgactccagactttacaagag	1354
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OY	1415	ataccgaatctgacactttcttaaaaacatcacaaaaagtaattgagaaggtttacagg	1474
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OY	1475	aaaaagacaagctatgtagtataagtggtcttaactgagacaaattggtgcggtactc	1534
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OY	1535	agttagaatataattattctacgtgtagtggtgaatttagataagataaacaaaagact	1594
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OY	1772	ttcgataggaagataaaaaagaagtatactccgttaactataatattacattgagaana	1831
Db	4653	aaggtgtttatctatctagtgcatltgagatgtagaagacaaatgtaaaacagaaaaaaag	4712
OY	1832	cggagactggttttagcctgtggaagaagactaaagatttccatttgaattgaattaaana	1891
Db	4713	ctcaagaacctaaagttygaagaagttattttaaagaagaaggttaagaagaaccaaaga	4772
OY	1892	ataataagcaagaatttgcttcttcaaacctgittaaaacagataaaacaacactcgattta	1951
Db	4773	aaaaaatacaaaaaaagaagaagtaggtttgatattaaagataagacocaaaagttgaa	4832
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Db	4833	tagtagaagatttgaataattgaagaatgagataatgaagaagatgttagaagaagatataag	4892
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Db	4893	aaggtatagaagaagataaagtttgaaagacatagatgaaagatataatgaatgaataggtg	4952
OY	2072	atagccaagaagttagcaaatgctacagtttcaaaaacagaaataacaagttagtgaacac	2131
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OY	2132	ttgctttgnaaataataaagagccggtgttccctccaggaatt	2175
Db	5013	aagcgaaaaaagaataattgaaaaaaaagtttgaagaaggtgttt	5056

US-09-265-315-68/c  
; Sequence 68, Application US/09265315  
; Patent No. 6187541  
; GENERAL INFORMATION:  
; APPLICANT: Benton, Bret  
; APPLICANT: Lee, Ving J.  
; APPLICANT: Malouin, Francois  
; APPLICANT: Martin, Patrick K.  
; APPLICANT: Schmid, Molly B.  
; APPLICANT: Sun, Dongxu  
; TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS  
; TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS  
; NUMBER OF SEQUENCES: 111  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; STREET: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 MB  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: Word Perfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/265,315  
; FILING DATE: March 9, 1999  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/714,918  
; FILING DATE: September 13, 1996  
; APPLICATION NUMBER: 60/009,102  
; FILING DATE: December 22, 1995  
; APPLICATION NUMBER: 60/003,798  
; FILING DATE: September 15, 1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 240/247  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 68:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3308 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-09-265-315-68

Query Match 2.0%; Score 44.8; DB 4; Length 3308;  
Best Local Similarity 51.0%; Pred. No. 0.1; Mismatches 102; Indels 0; Gaps 0;  
Matches 106; Conservative 0;

1710 taacaataaatcaatctcttatttggaactcagtgcatccagaagatttgat 1769  
1708 TAAATAATGAAGATGTAATGTAATTTGTAATAAATGATTTAGACAAACATAGATAT 1649  
1770 taltcgtatggaagataaaaagaagtataacctgaactcaatttaacattgagaa 1829  
1648 TAATGAAGTTAAAGATATGATAGCTAGCGCATTTAATCAAACTTCATGTAAACA 1589  
1830 aaagcgatcgtggttgctgctggtgacgaactaaagatttccatttgaattgaataa 1889  
1588 AGGAGTATTGATGAATTTACAAAATTCAGAAATTGTTCTTGGTGGAGAGATACA 1529  
1890 aaataataagcaagaattgcttctcaa 1917

Db 1528 AAATCAAGATATGACTTATGTTCTCAA 1501

RESULT 9  
US-09-265-315-68/c  
; Sequence 68, Application US/09265315  
; Patent No. 6187541  
; GENERAL INFORMATION:  
; APPLICANT: Benton, Bret  
; APPLICANT: Lee, Ving J.  
; APPLICANT: Malouin, Francois  
; APPLICANT: Martin, Patrick K.  
; APPLICANT: Schmid, Molly B.  
; APPLICANT: Sun, Dongxu  
; TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS  
; TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS  
; NUMBER OF SEQUENCES: 111  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; STREET: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 MB  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: Word Perfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/265,315  
; FILING DATE: March 9, 1999  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/714,918  
; FILING DATE: September 13, 1996  
; APPLICATION NUMBER: 60/009,102  
; FILING DATE: December 22, 1995  
; APPLICATION NUMBER: 60/003,798  
; FILING DATE: September 15, 1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 240/247  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 68:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3308 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-09-265-315-68

Query Match 2.0%; Score 44.8; DB 4; Length 3308;  
Best Local Similarity 51.0%; Pred. No. 0.1; Mismatches 102; Indels 0; Gaps 0;  
Matches 106; Conservative 0;

1710 taacaataaatcaatctcttatttggaactcagtgcatccagaagatttgat 1769  
1708 TAAATAATGAAGATGTAATGTAATTTGTAATAAATGATTTAGACAAACATAGATAT 1649  
1770 taltcgtatggaagataaaaagaagtataacctgaactcaatttaacattgagaa 1829  
1648 TAATGAAGTTAAAGATATGATAGCTAGCGCATTTAATCAAACTTCATGTAAACA 1589



MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Mycoplasma fermentans  
STRAIN: Incognitus  
IMMEDIATE SOURCE:  
CLONE: ORF-1  
US-07-710-361-6

Query Match 1.9%; Score 42.4; DB 1; Length 429;  
Best Local Similarity 54.5%; Pred. No. 0.2;  
Matches 85; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

QY 1811 ataattacattgagaaaacggtgactggtttagctgtgacagaactaaagatttc 1870  
DB 218 AAAAGAAAAAGAGAAAGAACTAAATTAATTTAGATGCTCAAAAGGCAACAAATTTTA 277  
QY 1871 atttgaattgaattaaaaataataagaagaattgcttccaaactgttaaacag 1930  
DB 278 AATCATATTGAAAAATTAATAAATTAAGATTATTATTAAACAATTAAAGCAG 337  
QY 1931 ataaacaacctcgaatttaagaatgttaagcaa 1966  
DB 338 AAATTAATAATCTCAATTTGCAATGCAATGCAATGCA 373

RESULT 12  
US-08-702-344-18  
Sequence 18, Application US/08702344  
Patent No. 5723315  
GENERAL INFORMATION:  
APPLICANT: Jacobs, Kenneth  
APPLICANT: McCoy, John  
APPLICANT: Lavallee, Edward  
APPLICANT: Racie, Lisa  
APPLICANT: Merberg, David  
APPLICANT: Treacy, Maurice  
APPLICANT: Spaulding, Vikki  
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES  
TITLE OF INVENTION: ENCODING THEM  
NUMBER OF SEQUENCES: 37  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc.  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: Massachusetts  
COUNTRY: U.S.A.  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/702,344  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Brown, Scott A.  
REGISTRATION NUMBER: 32,724  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 498-8224  
TELEFAX: (617) 876-5851  
INFORMATION FOR SEQ ID NO: 18:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1055 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
US-08-702-344-18

Query Match 1.9%; Score 42.4; DB 1; Length 1055;  
Best Local Similarity 57.6%; Pred. No. 0.26; Mismatches 56; Indels 0; Gaps 0;  
Matches 76; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

QY 1808 ctcaataattacattgagaaaacggtgactggtttagctgtgacagaactaaagatt 1867  
DB 924 CTCGATATATGAGATGATGATAAAGATGAGTTCGCTTACCGGTGAAGAAATCAAGAAC 983  
QY 1868 tccatttgaattgaattaaaaataataagaagaattgcttccaaactgttaaaa 1927  
DB 984 CCGGTGAAGAAATCTTATTTGATGATTAATAATTAATTTATTTTGCATCAAAAAAAA 1043  
QY 1928 cagataaacaa 1939  
DB 1044 AAAAAAAAAA 1055

RESULT 13  
US-07-710-361-3  
Sequence 3, Application US/07710361  
Patent No. 5242820  
GENERAL INFORMATION:  
APPLICANT: LO, Shyh-Ching  
TITLE OF INVENTION: NOVEL PATHOGENIC MYCOPLASMA  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Venable, Baetjer, Howard & Civiletti  
STREET: 1201 New York Avenue NW, Suite 1000  
CITY: Washington,  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/710,361  
FILING DATE: 19910606  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 265,920  
FILING DATE: 02-NOV-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 875,535  
FILING DATE: 18-JUN-1986  
ATTORNEY/AGENT INFORMATION:  
NAME: Ihnen, Jeffrey L.  
REGISTRATION NUMBER: 28,957  
REFERENCE/DOCKET NUMBER: 18596-90428  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-962-4810  
TELEFAX: 202-962-8300  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1405 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Mycoplasma fermentans  
STRAIN: Incognitus  
IMMEDIATE SOURCE:  
CLONE: IS element  
US-07-710-361-3



Query Match	1.9%	Score 42.4	DB 1	Length 1405
Best Local Similarity	54.5%	Pred. NO. 0.28		
Matches	85	Conservative	0	Mismatches 71; Indels 0; Gaps 0;
Qy	1811	ataatttaacatttgaaaaacgctgac	cgctgctgctgacgaacaaattccc	1870
Db	265	AAAAAAGAAAGAAATACTAAATRAAATTTTGATGCTCAAAAAGCAACAAATTTTA		324
Qy	1871	atttgaattgaaattaaataaataa	taacgaagaatcgcttctc	aaatcgtttaaacaag
Db	325	AAATCAAAATTTTGAATTAATAATAGAAATTAAGATTTATTAACTAAACATTAAGAAG		384
Qy	1931	ataaacaacactcgaaatttaaga	atgtgtaagaaca	1966
Db	385	AAATTAATAATCTCAAAATTTGGAGATGGCATGCAAA		420

```

RESULT 14
US-07-710-361-2
: Sequence 2, Application US/07710361
: Patent No. 5242820
: GENERAL INFORMATION:
: APPLICANT: LO, Shyh-Ching
: TITLE OF INVENTION: NOVEL PATHOGENIC MYCOPLASMA
: NUMBER OF SEQUENCES: 17
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Venable, Baetjer, Howard & Civiletti
: STREET: 1201 New York Avenue NW, Suite 1000
: CITY: Washington,
: STATE: DC
: COUNTRY: USA
: ZIP: 20005
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/710,361
: FILING DATE: 19910606
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 265,920
: FILING DATE: 02-NOV-1988
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 875,535
: FILING DATE: 18-JUN-1986
: ATTORNEY/AGENT INFORMATION:
: NAME: Ihnen, Jeffrey L.
: REGISTRATION NUMBER: 28,957
: REFERENCE/DOCKET NUMBER: 18596-90428
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-962-4810
: TELEFAX: 202-962-8300
: INFORMATION FOR SEQ. ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2210 base pairs
: TYPE: NUCLEIC ACID
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: HYPOTHEICAL: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: Mycoplasma fermentans
: STRAIN: Incognitus
: IMMEDIATE SOURCE:
: CLONE: psb 2.2
US-07-710-361-2

```

	Matches	85;	Conservative	0;	Mismatches	71;	Indels	0;	Gaps	0;
Oy	1811	atcaattacat	tggaaaaaacg	tgactggtt	agctggtg	tacagaactaa	gaattcc	1870		
		" "	" "	" "	" "	" "	" "	" "		
Dd	393	AAAAGAAAAA	GGAGAATAATC	TAAATTAATT	TACATGCTCA	AAAGGACA	CAAAATTTTA	452		
Oy	1871	atttggaaatt	gaaataaataa	tagcaagaatt	gccttccta	aactgyltaa	aacg	1930		
		" "	" "	" "	" "	" "	" "	" "		
Dd	453	AATCATATT	TTCGAATAATAA	TAAAGAAAAT	TAAGATTATTA	TTAATTAACA	ATTAAAGGAG	512		
Oy	1931	ataaacaacct	cgaatttaag	agetgylaa	gcga	1966				
		" "	" "	" "	" "	" "	" "	" "		
Dd	513	AAATTAATTA	ACTCAATTCG	AATTCGAG	AATCGCAT	GCACAA	548			

```

15 RESULT
1 US-08-568-459A-3
2 Sequence 3, Application US/08568459A
3 Patent No. 5849306
4 GENERAL INFORMATION:
5 APPLICANT: Sim, Kim L.
6 APPLICANT: Chitnis, Chetan
7 APPLICANT: Miller, Louis H.
8 APPLICANT: Peterson, David S.
9 APPLICANT: Su, Xin-zhaun
10 APPLICANT: Wellens, Thomas E.
11 TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
12 TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
13 NUMBER OF SEQUENCES: 37
14 CORRESPONDENCE ADDRESS:
15 ADDRESSEE: Knobbe Martens Olson & Bear
16 STREET: 620 Newport Center Drive 16th Floor
17 CITY: Newport Beach
18 STATE: California
19 COUNTRY: US
20 ZIP: 92660
21 COMPUTER READABLE FORM:
22 MEDIUM TYPE: floppy disk
23 COMPUTER: IBM PC compatible
24 OPERATING SYSTEM: PC-DOS/MS-DOS
25 SOFTWARE: PatentIn Release #1.0, Version #1.25
26 CURRENT APPLICATION DATA:
27 APPLICATION NUMBER: US/08/568,459A
28 FILING DATE: 07-DEC-1995
29 CLASSIFICATION: 435
30 ATTORNEY/AGENT INFORMATION:
31 NAME: Israelien, Ned
32 REGISTRATION NUMBER: 29,655
33 REFERENCE/DOCKET NUMBER: NIH121.001CPI
34 TELECOMMUNICATION INFORMATION:
35 TELEPHONE: (619) 235-8550
36 TELEFAX: (619) 235-0176
37 INFORMATION FOR SEQ ID NO: 3:
38 SEQUENCE CHARACTERISTICS:
39 LENGTH: 4507 base pairs
40 TYPE: nucleic acid
41 STRANDEDNESS: single
42 TOPOLOGY: linear
43 MOLECULE TYPE: DNA (genomic)
44 HYPOTHETICAL: NO
45 ORIGINAL SOURCE:
46 ORGANISM: Plasmodium falciparum
47
48 US-08-568-459A-3

```

STRAIN:	Incongnitus
IMMEDIATE SOURCE:	
CLONE:	psb 2.2
S-07-710-361-2	
Query Match	1.9%; Score 42.4; DB 1;
Best Local Similarity	54.5%; Pred. No. 0.33; Length 2210;
Query Match	1.8%; Score 41.8; DB 2; length 4507;
Best Local Similarity	46.0%; Pred. No. 0.56;
Matches 142; Conservative	0; Mismatches 167; Indels 0; Gaps 0;
OY	1878 aattgaattaaaataaatcaagaagatctgtcctaacaactgtaaaacagataaac 1937
DB	55 AATGAATGTAAATATTAGCATATATTTTTTGGCTTCCTTTGTTGTATATTTTGCAA 114

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QY 1938 aaacctcgaaattaaagatgtaagcaaccatlaattaaacatggygaagtttaac 1997
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 115 AGCTAGGAATGAATATGATATATAAGAGAAATGAAAAATTTTNGACGTGTATAAGAAAA 174
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1998 actcaaggtttaccagaaggttaattccttacccttgccaagaacagatcctgaaggcta 2057
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 175 ATTTAATGAATTAAGATTAAGAAATATGGAATGTCAAAAAACCTGATAAGAAAAATATT 234
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 2058 taaggttaaggttaataagccaagaagtagcaaatgctacagtttcaaaaacaggaataac 2117
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 235 TACTTTTATGAAATATAATTAATTAATTTTAAATTAATTAATTAATTAATTAATTAATTAAT 294
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 2118 aagtgatgagacacttgcttctgaaaaataaagaagccgtgtgtcctacaagagttga 2177
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 295 GAGTTATGGAACCTCCAGATATATAGATTAATAAATATGTCTTTAATAAATAACATAATAA 354
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 2178 tcaaaagat 2186
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 355 TGAAGAAAT 363
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Search completed: June 6, 2001, 21:09:28  
 Job time: 8654 sec